

FIG. 1

Partial table with one 8-entry indexing subset:

| Index               | Index Bits                             | Codeword     | MV Value |
|---------------------|--|--------------|----------|
| 0                   | 000                                    | _            | 0        |
| ,                   | 700                                    | 011          | -0.5     |
| _                   | 100                                    | 010          | 0.5      |
|                     | 07                                     | 0011         | 1-       |
| ٧                   | 010                                    | 0010         | 1        |
| c                   | 77                                     | 0001 1       | -1.5     |
| 0                   | <u>-</u>                               | 0001 0       | 1.5      |
|                     | 907                                    | 0000 111     | -2       |
| 4                   | 001                                    | 0000 110     | 2        |
| L.                  | 707                                    | 0000 1011    | -2.5     |
| n                   | 101                                    | 0000 1010    | 2.5      |
| ú                   | 770                                    | 0000 1001    | -3       |
| ٥                   | 2                                      | 0000 1000    | 3        |
| 1                   | 7                                      | 0000 0111    | -3.5     |
|                     | <u>-</u>                               | 0000 0110    | 3.5      |
| \ \frac{\lambda}{2} | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | 0000 0101 11 | 4        |
| Į.                  | <u> </u>                               | 0000 0101 10 | 4        |
| V 14                | <b>V</b> 14                            | 0000 0101 01 | -4.5     |
| Ž                   | <u> </u>                               | 0000 0101 00 | 4.5      |
| 4                   | ų.                                     | 0000 0100 11 | -5       |
|                     | ::<br>[C::                             | 0000 0100 10 | 5        |

FIG. 2A

Partial table with one 32-entry indexing set:

| Index    | Index Bits                              | Codeword         | MV Value |
|----------|---|------------------|----------|
| 0        | 00000                                   |                  | 0        |
| ,        | 70000                                   | 011              | -0.5     |
| -        | 1,0000                                  | 010              | 0.5      |
|          | 0000                                    | 0011             | -1       |
| 7        | 01000                                   | 0010             | 1        |
|          | 77000                                   | 0001 1           | -1.5     |
| n        | 00011                                   | 0001 0           | 1.5      |
| ,        | 00.00                                   | 0000 111         | -2       |
| 4        | 00100                                   | 0000 110         | 2        |
| L        | 0 | 0000 1011        | -2.5     |
| ဂ        | 10100                                   | 0000 1010        | 2.5      |
|          | 00440                                   | 0000 1001        | -3       |
| ٥        | 01.100                                  | 0000 1000        | 3        |
|          | 11100                                   | 0000 0111        | -3.5     |
| `        | 11100                                   | 0000 0110        | 3.5      |
|          |   | •••              | •••      |
| :        | :                                       | •••              | ••       |
|          | 0                                       | 0000 0000 0101   | -15      |
| <u></u>  | 01.11.1                                 | 0000 0000 0100   | 15       |
| 3        | ****                                    | 0000 0000 0011 1 | -15.5    |
| <u>ب</u> |   | 0000 0000 0011 0 | 15.5     |
| N/A      | N/A                                     | 0000 0000 0010 1 | -16      |
| N/A      | N/A                                     | 0000 0000 0010 0 | 16       |

## FIG. 2B

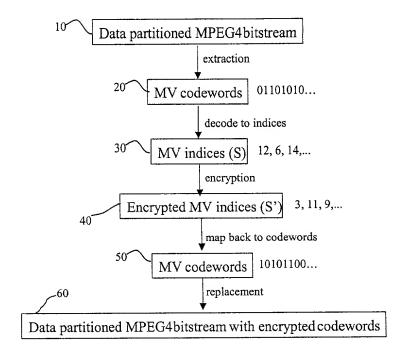


FIG. 3

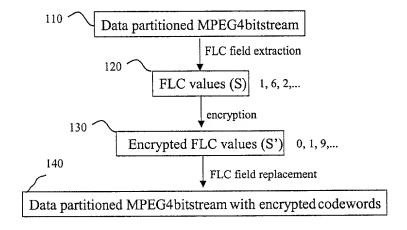
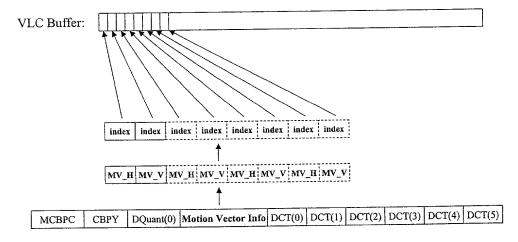


FIG. 5

| VLC Buffer: |        |          | <del></del> |            |        |        |          |          |          |        |
|-------------|--------|----------|-------------|------------|--------|--------|----------|----------|----------|--------|
| MCBPC C     | L      | h        | †           | MV_H MV    |        |        | OCT(2) I | DCT(3) I | OCT(4) I | OCT(5) |
|             |        |          | M           | Iacrobl    | ock 0  | )      |          |          |          |        |
|             |        |          | F           | 16.4       | 4      |        |          |          |          |        |
| VLC Buffer: |        |          |             |            |        |        |          |          |          |        |
|             | L      |          | <u>†</u>    | index in   |        |        | -        |          |          |        |
| MCBPC       | CBPY D | Quant(0) | Motion V    | ector Info | DCT(0) | DCT(1) | DCT(2)   | DCT(3)   | DCT(4)   | DCT(5) |

Macroblock 0

FIG. 4B



Macroblock 0

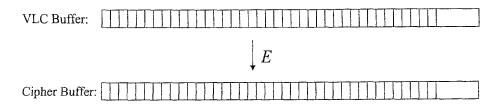
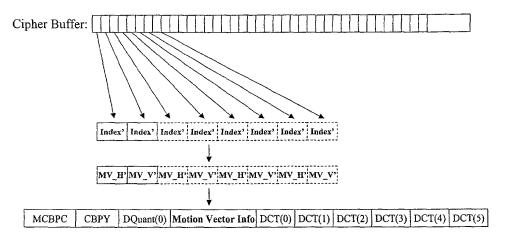
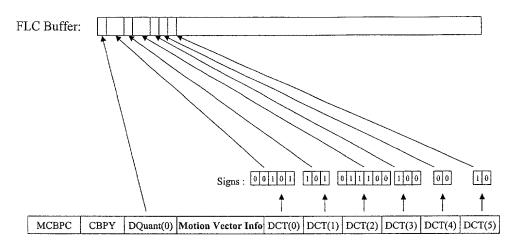


FIG. 4D



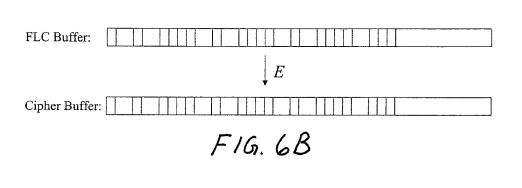
Macroblock 0

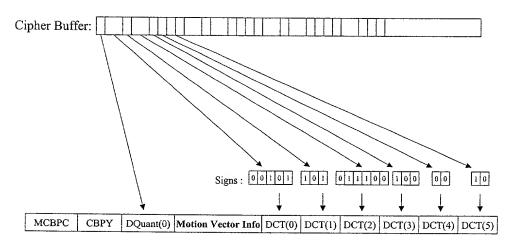
FIG. 4E



Macroblock 0

FIG. 6A





Macroblock 0

F16.6C